

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
DEPARTMENT OF PESTICIDE REGULATION

MEDICAL TOXICOLOGY BRANCH

SUMMARY OF TOXICOLOGY DATA

**PETROLEUM DISTILLATES**

Chemical Code # **763**, Tolerance # **50427**, SB 950 # **476**

Original date: 7/19/01

I. DATA GAP STATUS

Chronic, rat:	Data gap, no study on file
Chronic, dog:	Data gap, no study on file
Oncogenicity, rat:	Data gap, no study on file
Oncogenicity, mouse:	Data gap, inadequate study, possible adverse effect indicated
Reproduction, rat:	Data gap, no study on file
Teratology, rat:	Data gap, no study on file
Teratology, rabbit:	Data gap, no study on file
Gene mutation:	Data gap, inadequate studies, no adverse effect indicated.
Chromosomal aberration:	Data gap, no study on file
DNA damage:	Data gap, no study on file
Neurotoxicity:	Not required at this time

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Toxicology one-liners are attached.

\*\* indicates an acceptable study.

**Bold face** indicates a possible adverse effect.

File name T010719

Toxicology Summary: Kishiyama & Silva, 7/19/01

## II. TOXICOLOGY ONE-LINERS AND CONCLUSIONS

These pages contain summaries only. Individual worksheets may contain additional effects.

## COMBINED, RAT

No study submitted.

## CHRONIC TOXICITY, RAT

No study submitted.

## CHRONIC TOXICITY, DOG

No study submitted

## ONCOGENICITY, RAT

No study submitted

## ONCOGENICITY, MOUSE

**50427 - 009 115417** “18-Month Skin Painting Study with R-911-10, R-911-11, R-911-12, R-911-13, R-911-14, R-911-15, and R-911-16 in Female Swiss White Mice,” (Vondruska, J.F., Jenkins, D.H.; Industrial Bio-Test Laboratories Inc., Northbrook, Illinois; IBT #: J7675; 6/24/71) [Status of IBT study is unknown]. Test compounds were administered dermally (3 times/week for 18 months) to the shaven backs of female Swiss white mice (100/dose). **The incidence of dermal squamous cell carcinomas was increased with R-911-10 (positive control) and R-911-11 treatments, compared with controls.** UNACCEPTABLE (Not a FIFRA Guideline study; insufficient information due to major variances). (Kishiyama & Silva, 6/5/01).

149 - 012 116793: same study as above (50427 - 009 115417).

## REPRODUCTION, RAT

No study submitted

## TERATOLOGY, RAT

No study submitted

## TERATOLOGY, RABBIT

No study submitted

## GENE MUTATION

50427 - 009 115419 “Mutagenicity Test on an Emulsion of 917843-1 in the Ames *Salmonella*/Microsome Reverse Mutation Assay by the Preincubation Method,” (Jagannath, D.R.; Hazleton Laboratories America, Kensington, MD; HLA Study #: 8985-1-401E, 5/13/88). 917843-1 (emulsion in 10% Pluronic F68 vehicle) was evaluated for mutagenicity at 0, 15, 30, 40, 60, 80, 100 and 200 µl per plate with hamster liver metabolic activation (S9), using *Salmonella typhimurium* strain TA98 with 20 minute preincubation before adding agar. There were no significant increases in revertant colonies with 917843-1 (+S9) treatments. UNACCEPTABLE (Not a FIFRA Guideline study; major variances and insufficient information). These data are supplemental. (Kishiyama & Silva, 6/5/01).

50427 - 009 115424: Same study as 149 014 116795 but with less information.

50427 - 009 115429: Same study as 149 - 014 116797 but with less information.

50427 - 009 115430 “Mouse Lymphoma Forward Mutation Assay Spray Oil—Gene Mutation Data,” (West, J.; Hazleton Laboratories America, Inc., Kensington, MD; Project #: 596-112; 7/25/90). Paraffinic Oil 78-9-70 (assumed 100%) was evaluated for mutagenicity at 8670, 17340, 34680, 52020, 69630, 86700, 104040 and 121380 µg/ml (with or without S9 Mix), using mouse lymphoma cells. Mutation frequencies with S9 were increased (not dose-related) slightly over twofold with Paraffinic Oil 78-9-70, however, these increases were equivocal. No toxicity reported. UNACCEPTABLE (Not a FIFRA Guideline study). These data are supplemental. (Kishiyama & Silva, 6/4/01).

#### CHROMOSOME EFFECTS

No study submitted

#### DNA DAMAGE

No study submitted